

VHF/UHF AMATEUR RADIO EQUIPMENT

- | C4FM Digital Transceivers
- | C4FM Digital Repeater
- | FM Transceivers



System Fusion

System Fusion

Innovation for the Future

The YAESU System Fusion-II leads the way for the Ham Radio digital systems;
It provides total integration and compatibility of Digital and Conventional FM communications.

Fusion of C4FM Digital and Conventional FM

System Fusion-II joins C4FM digital and conventional FM communication into a single, multi-functional integrated system.

With the revolutionary System Fusion-II, users no longer need to choose between the Digital Mode or conventional FM; Use the system best suited for the operations. Also, users can communicate freely between Digital and conventional FM stations.

AMS (Automatic Mode Select)

Thanks to the revolutionary AMS functions, a received signal is instantly recognized as C4FM digital or conventional FM. The transceiver switches operating modes to match the received signal. Even when operating in C4FM digital mode, the transceiver automatically switches to communicate instantly with a received FM station. This unique AMS function enables hassle-free operation by removing the need to manually switch between the communication modes.



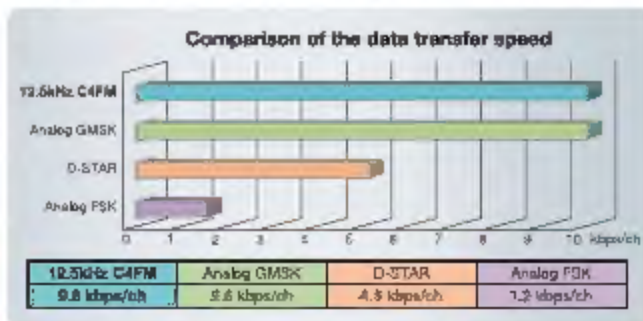
Advantages of C4FM digital

Excellent Audio Quality and Reliable Communications

C4FM digital modulation has better BER (Bit Error Rate) characteristics when compared to other Digital modulation, and guarantees reliable long distance communication. The YAESU C4FM digital clear voice technology uses a 12.5kHz bandwidth which permits high quality voice communications.

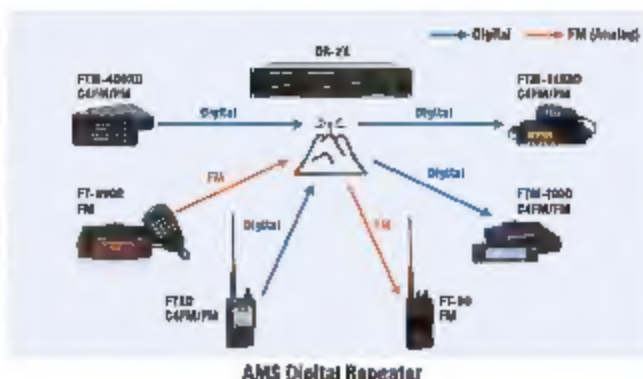
9600 bps high speed data using 12.5kHz bandwidth

The big advantage of digital communication methods is the ability to convey large amounts of data. C4FM digital attains 9600 bps data transmission speeds by using a 12.5kHz frequency bandwidth. It achieves digital advantages, such as the data transmission of a snapshot, or high-quality voice communication etc. 12.5kHz C4FM modulation is excellent for digital communications, and provides for continued development of amateur-radio communications without sacrificing other valued features.



FM Friendly Digital Functions Enable Cross-Mode communication

Until now, FM repeaters were only used for conventional FM communication; and digital repeaters were only used for digital communication. There has been no option for cross-communication in a single repeater. System Fusion-II enables interconnection between all users, even with different modes. This is made possible in System Fusion-II by AMS. The AMS function automatically recognizes the signal as a C4FM digital or a conventional FM signal, then the DR-2X retransmits the signal in the preset communication mode.



C4FM Digital Products Lineup



Enhanced Digital Group ID (DG-ID) and Digital Personal ID (DP-ID) Features

DG-ID Feature (Digital Group-ID)

Setting matching two-digit DG-ID numbers ("00" to "99") separately for Transmit and Receive, enables communications through designated linked DR-2X System Fusion-II digital repeaters. Setting the DG-ID of the DR-2X repeater to "00", permits the repeater to accept C4FM signals with any DG-ID setting and function as an Open Repeater.

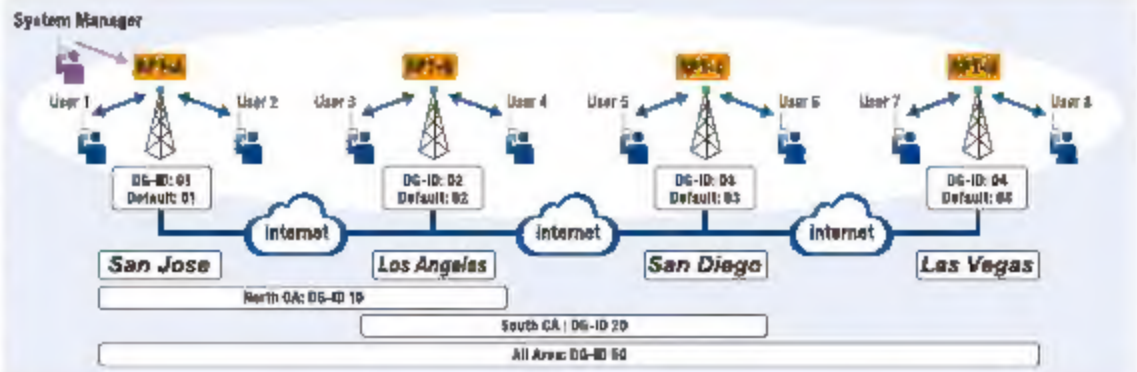
DP-ID Feature (Digital Personal-ID)

The DP-ID permits secure on-air control of the DR-2X Repeater settings. Changes may be limited to controlling stations that are preregistered in the DR-2X Repeater. Also, the DR-2X Digital Repeater may be accessed for emergency operation using an alternate uplink frequency. Consequently, the DR-2X repeater can give precedence to an uplink signal containing a preregistered DP-ID.



Advanced IMRS (Internet-linked Multi-site Repeater System) Operation

When the optional LAN units (LAN-01A) are installed, an IMRS (Internet-linked Multi-site Repeater System) network with multiple DR-2X Digital Repeaters may be configured. Up to 99 repeaters may be linked together via the Internet. Access and control of the linked repeaters, and groups of linked repeaters can be managed using the Digital Group ID (DG-ID) Feature.

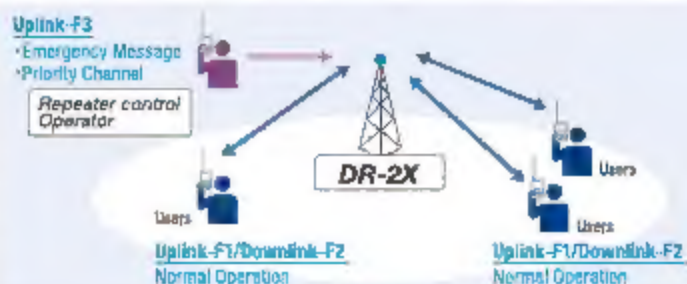


		RPT-A	RPT-B	RPT-C	RPT-D
LOCAL Name		San Jose	Los Angeles	San Diego	Las Vegas
LOCAL DG-ID		01	02	03	04
Default DG-ID		01	02	03	04
Group	Group Name	North CA			
	Group DG-ID	10			
	Group Name	South CA			
	Group DG-ID	20			
	Group Name	All Area			
	Group DG-ID	50			

IMRS (Internet-linked Multi-site Repeater System) Operating Illustration

Dual Receive Feature provides Flexible Operation

The unique simultaneous Dual Receive Repeater DR-2X allows the control operator to assign an additional frequency for controlling the repeater, transmitting emergency messages, or simply a second up-link frequency. The control operator may also assign separate Downlink frequencies according to the Up-link frequencies.



Dual Receive Image

WIRES-X Portable Digital Node Function

A WIRES-X portable digital node station may be easily established by setting the C4FM digital transceiver to "HRI mode" and connecting it with a PC. With this function, and an available Internet connection, WIRES-X access via the Internet is possible, even from a location where a fixed WIRES-X node station is not available. A C4FM digital transceiver can be used as a node station transceiver without setting up an Ethernet port. This feature enables easy setup and WIRES-X operation from any location, such as a Hotel room, Airport, in a Vehicle or a Free Wi-Fi space, etc.

- WIRES-X operation in the digital transceiver's HRI mode is only available in C4FM digital mode.
- Optional PC connection cable (SCU-18) is required for the FT2D PC connection.
- Supplied PC connection cable (SCU-20) is required for the FTM-400XD/FTM-100D PC connection.
- Digital transceivers that can operate in the HRI mode are the FT2D, FTM-400XD and the FTM-100D.

Connection of WIRES-X Node or Room

In the digital transceiver HRI mode, a digital WIRES-X node station can be easily created to provide access to other node stations via the Internet. Also, a WIRES-X room may be joined for group communication.

Connection of Club Repeater Network with DG-ID

By establishing the WIRES-X portable node station, you can easily connect to a DG-ID controlled IMRS Club Repeater network using the WIRES-X Node Station.

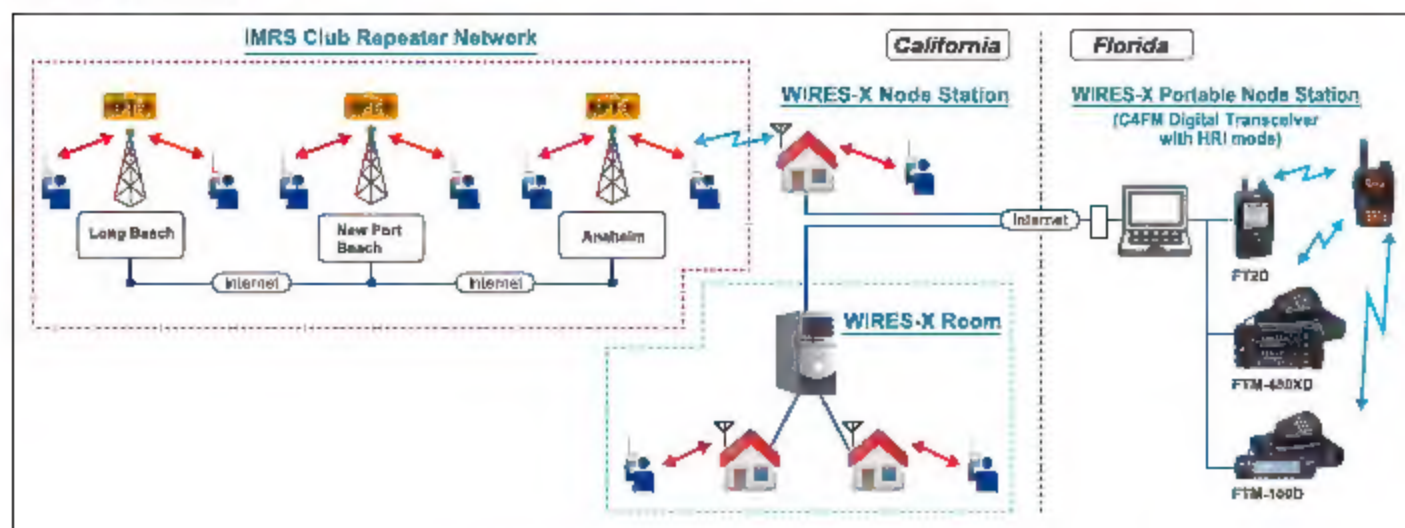


Illustration of WIRES-X operation via Portable digital Node Stations

Three C4FM Digital Modes and the conventional FM Mode

Three System Fusion-II Digital Modes and the analog FM mode can be selected. In digital, effective utilization of the 12.5kHz bandwidth, makes possible combined high-quality voice communication and image data transmission and reception. Many new and unique information and communication functions are made possible.



V/D mode (Voice/Data Simultaneous Communication Mode)

The digital voice signal is transmitted using one half of the bandwidth. Simultaneously the other half of the 12.5kHz bandwidth channel is used for error correction of the voice signal and for other data. The standard C4FM Digital mode provides the ideal balance of error correction and sound quality with the Digital Clear Voice technology developed for C4FM digital.

Voice FR mode (Voice Full Rate Mode)

This mode uses the full 12.5kHz bandwidth to transmit digital voice data. The increased amount of voice data permits high quality voice communication, providing superb sound quality for a "rag chew" with friends.

Data FR mode (High Speed Data Communication Mode)

This high-speed data communication mode uses the full 12.5 kHz bandwidth for data communication. The transceiver automatically switches to Data FR mode when transmitting Snapshot pictures, and can be used to transmit large quantities of data at high speed.

Conventional FM mode

Analog FM is effective when weak signal strength causes audio drop out in the digital mode. The FM mode enables communication up to the borderline of the noise level. Also the use of established Yaesu low power circuit designs provides far less battery consumption than the digital mode.

144/430MHz Dual Band Dual Receive Heavy Duty C4FM/FM Digital Repeater



DR-2X

DR-2X:US and Asia
DR-2XE:Europe and Australia

Supplied Accessories: AC cable (US, Asia only),
DC cable, PC connection cable SCU-20, Rubber Feet (4)



YAESU DR-2X is a C4FM digital/Conventional FM dual mode and dual-Receive capable repeater that covers the VHF and UHF amateur radio bands. DR-2X incorporates the use of conventional FM communication integrated with the C4FM digital communication through its unique AMS capability.

DR-2X Advanced Features

- **Modulation Modes:** C4FM Digital and Conventional FM
- **AMS (Automatic Mode Select)** function, permits automatic detection of the received C4FM digital or conventional FM signal
- **Dual Receive Operation**
- **Optional IMRS (Internet-linked Multi-site Repeater System)** enables expanded area coverage via the Internet
- **Digital Group ID Feature** supports convenient set-up of Groups and uncomplicated Group Operation
- **User Friendly 3.5-Inch Full Color Touch Panel Display**
- **Extremely reliable, high RF Output Power:** 50W / 20W / 5W
- **Stable High-Power Output with Large Heat sink**
- **Commercial grade components** for long-term reliable operation
- **Emergency Operation:** Supported by auto-switched backup battery power operation (US and Asian versions)
- **Front panel microphone connector** is provided for repeater transmitter testing and enables base station operation

User Friendly Set-up (3.5-inch Full Color Touch Panel Display)



Setup screen



Frequency setting screen



DG-ID setting screen

Advanced Operation

The rear panel Control I/O port is connectable to the "S-COM 7330" repeater controller. This controller can manage up to three (3) DR-2X units, providing control of the programmable beep, the timer, access mode, and other features.



Other Features

- Internal AC power supply (US, Asia)
- 19" Rack Mount Capable
- High Stability $\pm 2.5\text{ppm}$ TCXO
- CTCSS and DCS Signaling
- ID announcement (Voice Mode: Requires FVS-2)
- Base Station Operation
- TOT (Time Out Timer)
- Firmware Updates



Advanced C4FM Technology Opens up New Vistas for Amateur Radio The New Style Handheld Transceiver

C4FM/FM 144/430 MHz DUAL BAND 5W DIGITAL TRANSCEIVER

FT2D

FT2DR:US, Asia and Australia
FT2DE:Europe

(2200 mAh Lithium Ion Battery SBR-14LI,
Battery charger PA-4B/SAD-18/SAD-16
(Depending on the transceiver version),
USB Cable and Belt clip SHB-13 included)



Easy Operation with Large Touch Panel Display

A major highlight of the transceiver's sleek design is the large display measuring 1.7 x 1.7 inch (43.2 x 43.2mm). With 160 x 160 dots and a bright white LED backlight, it presents a wealth of information in superb high resolution. Function keys, numeric keys, and setup menu items appear on the display as needed, allowing direct operation without guesswork. Additional functions may be operated with the knobs and keys on the front and side of the transceiver.



FM friendly digital realized by AMS (Automatic Mode Select)

The Automatic Mode Select (AMS) function instantly selects the received signal mode.



Sophisticated C4FM Digital Functions are Supported

Expanded Digital Group ID Features

In the C4FM digital Mode, a Digital-Group-ID (DG-ID) can be set by each group member to facilitate communications between the specific group participants. The Group Monitor function automatically alerts users when group members are within communication range.

*The DG-ID group operation has compatibility only between the C4FM digital transceivers that have the DG-ID feature. If your C4FM portable or mobile have not yet updated for DG-ID, please update the firmware for the transceivers before using the DG-ID feature.

Snapshot function

When the optional speaker microphone camera MH-85A11U is connected, you can easily take a snapshot. Captured images as well as received images can be viewed on the screen.



Smart Navigation Function

Real-time navigation

Digital V/D Mode communicates the position and station information simultaneously with the digitized audio. You can view the distance and direction of the other station in real time while communicating.



Backtrack

This function allows navigation back to the departure point, or a point previously added to the GPS memory.

Simultaneous C4FM/C4FM standby

The FT2DR/DE supports simultaneous C4FM Digital monitoring for both the A Band and B Band. A digital signal received on either band takes priority of the transceiver operation. You can respond smoothly and swiftly to the digital communication. What's more, call sign and position information as well as other data can be received simultaneously on both bands.

Loud 700 mW audio output

Built-in High Sensitivity 66ch GPS Antenna

1200/9600 bps APRS® Data communication

Micro SD card slot

High-resolution band scope with fast display of up to 71 channels

Standard configuration includes high-capacity Lithium-ion battery good for 12 hours of continuous operation

Battery Operating Time (Approximately)

Band/Mode	PA&TTL	GBR-14LI	Battery Tray (3W-1500mAh)
144MHz	Analog Mode	6 hours	12 hours
	Digital Mode	5 hours	10 hours
430MHz	Analog Mode	6.5 hours	11 hours
	Digital Mode	4.5 hours	9 hours

* Duty Cycle based on Tx 6 sec., Rx 6 sec. Standby 48 sec.
(In Power S Mode, Rx audio output 10% H-E). Battery save 1:5, Memory and receive, and GPS function off.)

* Operating times may vary depending on operating conditions.

	OPTIONS											
	Speaker Microphone MH-85A11U	Speaker / Microphone MH-34B4B	Earpiece Microphone SSM-57A	VOX Headset SSM-63A	Microphone Adapter CT-44	Lithium Battery Pack (1100mAh) FHB-101LI	Lithium Battery Pack (2200mAh) SBR-14LI	Lithium Battery (1800mAh) SBR-24LI	Battery Charger SAD-18/PA-4B SAD-16	Battery Charger SAD-18 ¹⁾ SAD-11 ¹⁾	Rapid Charger CD-41	Rapid Charger SBH-28
FT2D	●	●	●	●	●	●	●	●	●	●	●	●
FT-700		●	●	●	●			●		●		●

*1 Depending on the transceiver version



An Outstanding Choice Sophisticated Dual Band Digital Transceiver

C4FM/FM 144/430MHz Dual Band Digital Transceiver

FT-70D

FT-70DR: US, Asia and Australia

FT-70DE: Europe

(7.4V 1800mAh Lithium Ion Battery SBR-24L,
Battery Charger SAD-18/SAD-11
(Depending on the transceiver version),
USB Cable and Belt Clip included)



C4FM Digital provides Excellent Audio Quality

Both conventional FM operation, and the advanced Yaesu C4FM Digital Mode are available. C4FM has better BER (Bit Error Rate) characteristics than other Digital modulation systems, and permits stable communications. C4FM digital modulation delivers exceptional audio quality.

FM Friendly Digital Operation with AMS and Large Multi-Color LED Mode Indicator

Conventional FM users and Digital C4FM users can communicate through the magic of AMS (Automatic Mode Select). AMS automatically recognizes the received signal as C4FM Digital or conventional FM, and sets the transceiver to the appropriate operating mode. The AMS function enables hassle-free operation by removing the necessity of manually switching between modes. The MODE indicator LEDs show the transmit/Receive mode at a glance.



Multi-colored LED Mode-Indicator

Sophisticated Digital-Group-ID Operation

In the C4FM digital Mode, a Digital-Group-ID (DG-ID) can be set by each group member to facilitate communications between the specific group participants. The Group Monitor function automatically alerts users when group members are within communication range.



Digital-Group-ID

* The DG-ID group operation has compatibility only between the C4FM digital transceivers that have the DG-ID feature. If your C4FM portable or mobile has not yet updated for DG-ID, please update the firmware for the transceiver before using the DG-ID feature.

LOUD 700mW Audio Output

Loud, clear, crisp audio is delivered by 700mW of audio power, and the large 32mm front speaker.

Huge 1,105 Channel Memory

The FT-70D provides maximum operating efficiency and convenience with a wide variety of memory resources, including 900 "regular" memories, six "Home" channels for favorite frequencies, 99 for Skip search memories, and 50 pairs of "Programmable Memory Scan" memories.








Useful Features

- Rugged IP54 Rating (Dust & Water protection) Construction
- Wide Band Receive Coverage 108 - 579.995MHz
- Versatile Scanning Capabilities;
(Programmed VFO Scan, Memory Scan, Priority Channel Scan)
- WX Channels with "Severe Weather" Alert (US version)
- 7.4V 1,800mAh Lithium Ion Battery pack (SBR-24L) Included
- Equipped with External DC Jack for DC Supply and Battery Charge
- Equipped with Mini USB port for Convenient Memory Management and Software updates
- CTCSS/DCS Operation
- RF Squelch
- Automatic Power Off (APO) Feature
- Transmitter Time Out Timer (TOT)

BATTERY OPERATING TIME (Approximately)

Band	Operating Time (SBR-24L)
144 MHz	8 hours
430 MHz	7 hours

* 5W/ Tx 8 sec. / Rx 8 sec. / Standby 48 sec. Duty cycle
(Operating time may vary depending on operating conditions)

OPTIONS												
	 PC Connection Cable (USB) SCU-19	 PC Connection Cable (Serial) CT-169	 Data Cable CT-170	 Data Cable (2.50) CT-176	 Cloning Cable CT-168	 Cloning Cable CT-27	 DG Cable E-DC-6	 DG Cable with Cigarette Lighter Plug SDD-13	 BNC-to-SMA Adapter CN-3	 Soft Case SHC-24	 Soft Case SHC-27	 Belt Clip SHB-13
FT2D	●	●	●	●	●		●	●	●	●		■
FT-70D						●	●	●	●		●	



Equipped with advanced touch panel operation and full-color TFT large-scale display

C4FM/FM 144/430 MHz DUAL BAND 50W DIGITAL TRANSCEIVER

FTM-400XD

FTM-400XDR:US, Asia and Australia
FTM-400XDE:Europe

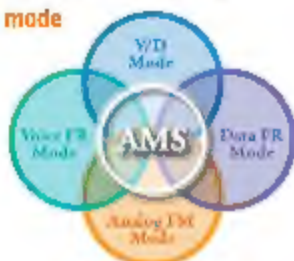
(DTMF Microphone MH-48A6JA, Mounting Bracket, Bracket for Controller, Control Cable 10 ft (3m), PC connection Cable SCU-20, Stereo Monaural Plug and DC Power Cable included)



AMS (Automatic Mode Select)

The Automatic Mode Select (AMS) function instantly detects the received signal mode.

- **V/D mode**
(Voice/Data Simultaneous Communication Mode)
- **Voice FR mode**
(Voice Full Rate Mode)
- **Data FR mode**
(High Speed Data Communication Mode)
- **Analog FM mode**



Snapshot Function (Image Data Transmission)

Simply connect the optional MH-85A11U microphone with camera. Press the microphone shutter button to take snapshots, and easily send them to other C4FM digital transceivers.

* micro SD card is required by the snapshot function.

3.5-inch full color touch panel operation

Icon symbols, multi-function key display and pop-up messages are all displayed in high-resolution color thanks to the full-color, high luminance TFT liquid crystal screen. The settings and status of the wireless devices are displayed in an easy-to-read format. You can perform various function operations simply and easily by gently touching the screen.



Band Scope Screen



Digital Group Monitor Screen



Screen



Smart Navigation Screen



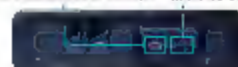
APRS Screen

* The DG-D group operation is compatible only between the C4FM digital transceivers that have the DG-D feature. If your C4FM controller or mobile has not yet updated for DG-D, please update the firmware for the transceivers before you use DG-D feature.

Equipped with micro SD Card Slot Built-In Improved 66ch GPS with Antenna

(micro SD card not included)

Data communication terminal micro SD card slot



Front side of the Radio Unit

Built-in GPS with antenna



Rear side of the Controller

OPTIONS								
Microphone with Snapshot camera MH-85A11U	DTMF Microphone MH-48A6JA	Normal Microphone MH-4256J	Bluetooth Adapter Unit BU-2	Voice Guide Unit FVS-2	High-Power External Speaker MLS-200-M10	Vacuum Cup Mount Bracket for Controller MMB-98	PC Connection Cable SCU-20	Separation Cable 20 ft (6m) CT-162
							Data Cable CT-163 MDN10 pin to MDN6 pin + Dsub9 CT-164 MDN10 pin to MDN6 pin CT-165 MDN10 pin to Dsub9 CT-167 MDN10 pin to Open	
Mic Extension IGI MEK-2	Mic Extension Cable for MH-85A11U SCU-23	Cloning Cable CT-166	AC Power Supply (2S A) FP-103DA*2	AC Power Supply (2S A) FP-1023*3	Desktop Cooling Fan SMB-201	AC Adapter for SMB-201 SAD-11*4		

*1 Depending on the transceiver version *2 US and Asian versions only *3 US version only



A digital mobile transceiver for a new age, with a wide variety of mobile operations made possible through advanced C4FM technology

C4FM/FM 144/430 MHz DUAL BAND 50W DIGITAL TRANSCEIVER

FTM-100D

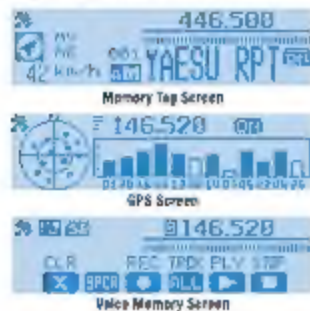
FTM-100DR:US, Asia and Australia
FTM-100DE:Europe

(DTMF Microphone MH-48A6JA,
Mounting Bracket, Bracket for Front panel,
Control Cable 10 ft (3m), PC connection Cable SCU-20,
Stereo Monaural Plug and DC Power Cable included)



An easy-to-read graphical interface via a full dot-matrix display

The full 160 x 40 dot-matrix display reveals dedicated screens and icons so that you can quickly recognize each of a variety of features. Also, the white-LED backlight provides ample brightness and contrast for improving visibility.



Sophisticated C4FM Digital Functions are Supported

Expanded Digital Group ID Features

In the C4FM digital Mode, a Digital-Group-ID (DG-ID) can be set by each group member to facilitate communications between the specific group participants. The Group Monitor function automatically alerts users when group members are within communication range.

* The DG-ID group operation has compatibility only between the C4FM digital transceivers that have the DG-ID feature. If your C4FM portables or mobiles have not yet updated for DG-ID, please update the firmware for the transceivers before using the DG-ID feature.



The FTM-100DR/DE supports WIRES-X

You can connect the FTM-100DR/DE to WIRES-X node stations and easily enjoy long-distance communications over VHF/UHF bands via the Internet. Furthermore, you can connect the FTM-100DR/DE to the optional HRI-200 WIRES-X Internet Linking Kit to quickly establish a WIRES-X node station. The FTM-100DR/DE is ideally suited for use in node stations, and the display backlight can be completely turned off.



A large BUSY/TX Indicator that provides communication modes in different colors

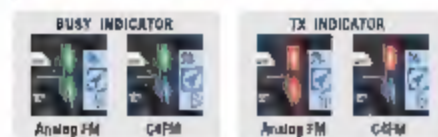


Image Data Transmission*

Snapshots received from other stations, or images downloaded from the WIRES-X News Station, are stored on a high-capacity microSD card. Image data stored on a microSD can be viewed and edited using a personal computer.

* The optional MH-85AT1U Camera Speaker Microphone cannot be connected.

Smart Navigation Function

Real-time navigation

Digital mode transmits the location and station information data simultaneously with the digitized audio signal. You can view the distance, direction and call sign of received signal in real time while communicating in the Yaesu C4FM digital mode.

A variety of features that ensures ease of use

- 50 W of power output sufficient for communication on the VHF/UHF bands
- 1200/9600bps APRS® Data communication
- microSD card slot
- Built in high sensitivity 66 channel GPS antenna,
- GPS logging capability
- High sensitivity and full-fledged wideband reception
- Dual Watch Function
- Powerful 3W speaker output, 8W output for optional MSL-200-M10 External Speaker.

*Simultaneous reception on A band and B band is not supported.

OPTIONS							
DTMF Microphone MH-48A6JA	Normal Microphone MH-42C6J	Bluetooth® Adapter Unit BU-2	Voice Guide Unit FVS-2	High-Power External Speaker MSL-200-M10	Vacuum Cup Mount Bracket for Controller MMB-98	PC Connection Cable SCU-20	Separation Cable 20 ft (6m) CT-182
						Data Cable CT-163 MDN10 pin to MDN6 pin + Dual CT-164 MDN10 pin to MDN6 pin CT-185 MDN10 pin to Dsub9 CT-167 MDN10 pin to Open	
Mic Extension Kit MEK-2	Cloning Cable CT-188	AC Power Supply (25 A) FP-1030A*2	AC Power Supply (23 A) FP-1023*3	Desktop Cooling Fan SMB-201	AC Adapter for SMB-201 SAB-11*1		

*1 Depending on the transceiver version. *2 US and Asian versions only. *3 US version only.

High-Performance C4FM/FM Dual-Band Mobile



C4FM/FM 144/430MHz DUAL BAND
50W DIGITAL TRANSCEIVER

FTM-7250D

FTM-7250DR: US, Asia and Australia

FTM-7250DE: Europe



(DTMF Microphone MH-48A6JA, USB cable, Mounting Bracket and DC Power Cable included)

Operates C4FM Digital and Conventional FM modes

Both conventional FM operation, and the advanced C4FM Digital mode are available. C4FM has better BER (Bit Error Rate) characteristics compared to other Digital modulation systems and permits stable long-distance communications. The C4FM digital modulation provides exceptional audio quality.

Effortless AMS, FM and C4FM Operation with Multi-colored LED Mode-Indicator

FM friendly digital operation is made possible by AMS (Automatic Mode Select)

AMS automatically recognizes the received signal as C4FM Digital or conventional FM, and switches the receiver to the appropriate mode. The MODE indicator shows the Transmit/Receive mode and status at a glance.



Mode Indicator

Sophisticated Digital-Group-ID Operation

Digital-Group-ID (DG-ID) Feature

In the C4FM digital Mode, a Digital-Group-ID (DG-ID) can be set by each group member to facilitate communications between the specific group participants. The Group Monitor function automatically alerts users when group members are within communication range.

DG-ID Memory feature

DG-ID memories can store up to 10 DG-ID pairs with alpha tags. The registered DG-ID numbers in the memory can be quickly recalled using the P1/P2 key buttons on the DTMF microphone.

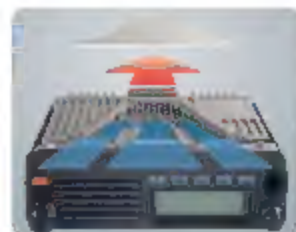


DG-ID Set up and Memory

Digital Group Monitor Screen

50 Watts (VHF and UHF) Stable High-Power Output with FACC

The FTM-7250D offers the Yaesu legendary mechanical toughness and stable high output power. The FACC (Wind Tunnel) gathers cool air through the wide open front air intake and directs it to the final amplifier area and out the rear cooling fan. This efficient cooling system ensures stable output power for continuous long-distance communications.



FACC: Funnel Air-Convective Conductor

3W Loud Front Speaker

The front facing speaker provides 3 watts of loud audio. The FTM-7250D speaker audio has been tuned for improved sound quality. The optional Yaesu MLS-100 external speaker supports noisy field operation.



3W 35x51mm Front Speaker

User-Programmable Microphone Keys

Four Programmable key buttons (P1-P4) on the microphone allow one-touch access to favorite command functions. The microphone function commands replicate the corresponding front panel functions. Available Key button functions:

Available Key functions:

- Recall HOME channel
- Select communication Mode (D/A)
- Scan operation
- Activate the Group Monitor function
- Set the TX Power
- DG-ID registration and Recall*
- Open the Squelch
- WIRE-X Mode access
- WX channel access**
- Quick access for Setup Menu

*1 Recall the functions as P1/P2 key ** Only for US version

Useful Features

- 225 Memory Channels with 8-character alpha-numeric tags
- Versatile Scan features: Preferential Memory Scan, Programmable memory scan, VFO scan, Priority Channel Scanning (Dual watch), and Weather Alert Scan (USA version only)
- Supports WIRE-X features (Does not support operation as the WIRE-X Node Station)
- Memory Only Operating Mode
- CTCSS & DCS Encode/Decode Operation, with split Tone and DCS Encode-only capability

OPTIONS					
	DTMF Microphone MH-48A6JA	Normal Microphone MH-42C6J	AC Power Supply (25 A) FP-1030A*1	AC Power Supply (25 A) FP-1023*2	High-Power External Speaker MLS-100
FTM-7250D	●	●	●	●	●
FTM-3200D	●	●	●	●	●
FTM-3207D	●	●	●	●	●

*1 US and Asian versions only *2 US version only

C4FM/FM High Power Mobile

144MHz

65W High Power Mobile



C4FM/FM 144MHz SINGLE BAND
65W DIGITAL TRANSCEIVER

FTM-3200D

FTM-3200DR: US, Asia and Australia
FTM-3200DE: Europe

(DTMF Microphone MH-48A6JA, USB Cable,
Mounting Bracket and DC Power Cable included)



430MHz

55W High Power Mobile



C4FM/FM 430MHz SINGLE BAND
55W DIGITAL TRANSCEIVER

FTM-3207D

FTM-3207DR: US, Asia and Australia
FTM-3207DE: Europe

(DTMF Microphone MH-48A6JA, USB Cable,
Mounting Bracket and DC Power Cable included)



- Operate C4FM Digital and Conventional FM modes
- Effortless AMS, FM and C4FM Operation with Multi-colored LED Mode Indicator
- Enhanced Digital Group ID Feature
- DG-ID Memory Feature

- 65W (55W) Stable High-Power Output with FACC
- 3W powerful Front Speaker
- User Programmable Microphone Key buttons
- 220 Memory Channels with 8-character alpha-numeric tags

Effortless AMS, FM and C4FM Operation with Multi-colored LED Mode Indicator

The AMS function enables hassle-free operation by removing the need to manually switch between modes. The MODE indicator shows the Transmit/Receive mode at a glance.



Mode Indicator

Sophisticated Digital Group ID Operation

Digital-Group-ID (DG-ID) Feature

Digital-Group-ID (DG-ID) in the C4FM Digital Mode can be set separately for each group member to facilitate communications between the specific group participants.

DG-ID Memory feature

DG-ID memory can store up to 10 DG-ID pairs with alpha tags. The registered DG-ID numbers in the memory can quickly be recalled, using the DTMF microphone.



DG-ID Set up and Memory

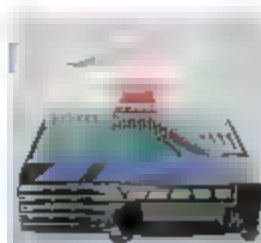


Digital Group Monitor Screen

Displays R: In range
Displays R(blink): Out range
Number of In-range stations
Call page

Dependable High-Power Output with FACC

The FTM-3200D/FTM-3207D provides reliable and true high output power with FACC (Funnel Air-Convective Conductor) Wind Tunnel cooling system. The efficient cooling system ensures stable high performance for continuous long-distance communications.



FACC Funnel Air-Convective Conductor

Loud Audio with 3W Front Speaker

The front-facing speaker provides 3 watts of loud audio. The FTM-3200D/FTM-3207D speaker audio has been tuned for even better sound quality.



3W 35x58mm Front Speaker

Useful Features

- Versatile Scanning features: Preferential Memory Scan, Programmable memory scan, VFO scan, Priority Channel Scanning (Dual watch), and Weather Alert Scan (USA version only)
- Supports WIRES-X features (does not support operation as the WIRES-X Node Station)

Convenient and easy-to-use digital functions, advanced VoIP wireless WIRES-X

AMATEUR RADIO INTERNET LINKING KIT

HRI-200

USB Cable CT-174 (MDIN 6 pin to MDIN 10 pin), and Data Cable
CT-175 (MDIN 10 pin to MDIN 6 pin) Included

WIRES-X



Features

- High quality voice communication using C4FM digital
- Digital/Analog mutual communication
- Advanced features made possible by C4FM digital functions
- Easy Set-up of HRI-200 with USB connection



High Performance Commercial Grade Specifications



144/430 MHz
DUAL BAND 5W
FM TRANSCEIVER
FT-65
FT-65R US and Asia
FT-65E Europe

144 MHz
SINGLE BAND 5W
FM TRANSCEIVER
FT-25
FT-25R US and Asia
FT-25E Europe

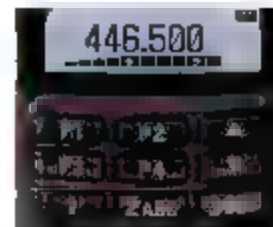
FT-65/FT-25 Supplied Accessories:
(7.4V 1950mAh Li-ion battery SBR-25L, Battery Charger
SBH-22, AC Adapter SAD-20 and Belt Clip included)



- **Commercial Grade Specifications: IP54/MIL-STD 810 C, D and E**
- **1 Watt of Powerful, Clear Audio**
- **High Power 5 Watts Output and selectable setting 5W / 2.5W / 0.5W**
- **QRK (Four Quick Recall Key buttons: P1-P4) for Easy Operation**
- **Emergency Signaling, Bright white LED Flashlight, One-touch Alarm, and Quick HOME Channel Access**
- **Included 1950mAh Li-ion Battery Pack capable of over 17 hours of operation**
- **FM Broadcast Receiver Equipped**

VALUABLE FEATURES FT-65/FT-25

- 223 Memory Channels with 8-character alpha tags
(222 Memory Channels for FT-25)
- Versatile Scanning Capabilities: VFO Scan, Memory Scan, Programmable memory scan (PMS), Memory bank scan, and Dual receive
- WX Channels with "Severe Weather" Alert
(only available in NOAA weather service areas)
- VOX Operation with Optional VOX Earpiece Microphone (SSM-512B)
- 3.5-Hour Rapid Charger (SBH-22) Included
- PC Programmable with Optional Programming Cable (SCU-35)
- Transceiver to Transceiver Cloning with
Optional Cloning Cable (SCU-36)
- ARTS (Automatic Range Transponder System) function
- DTMF Operation • CTCSS • DCS Operation
- Busy Channel Lock Out (BCLO)
- Battery Saver function • Automatic Power Off (APO)
- Transmitter Time Out Timer (TOT)



QRK (Quick Recall Key)

Battery Operating Time (Approximate)**

Band	SBR-25L	SBR-26L
144 MHz	7 hours	22 hours
430 MHz*2	15 hours	20 hours
FM Broadcast	3 - 5 hours	15 hours

Note: * TX: F, RX: E, Standby 90 Duty Cycle based on 5W TX Power
* Only FT-65

Ultimate Compact High Performance FM Handheld



144/430MHz
DUAL BAND 5W
FM TRANSCEIVER
FT-4X
FT-4XR US and Asia
FT-4XE Europe

144MHz
SINGLE BAND 5W
FM TRANSCEIVER
FT-4V
FT-4VR US and Asia
FT-4VE Europe

FT-4X/FT-4V Supplied Accessories:
(7.4V 1750mAh Li-ion battery SBR-26L, Battery Charger
SBH-22, AC Adapter SAD-20 and Belt Clip included)



- **Ultimate Compact Design: W 2.1" x H 3.5" x D 1.2" (52 x 90 x 30 mm)**
- **1 Watt of Powerful, Clear Audio**
- **High Power 5 Watts Output and selectable setting 5W / 2.5W / 0.5W**
- **QRK (Two Quick Recall Keys: P1-P2) for Easy Operation**
- **Emergency Signaling, One-touch Alarm, and Quick HOME Channel Access**
- **Included 1750mAh Li-ion Battery Pack capable of over 15 hours of operation**
- **FM Broadcast Receiver Equipped**

VALUABLE FEATURES FT-4X/FT-4V

- 223 Memory Channels with 6-character alpha tags
(222 Memory Channels for FT-4V)
- Versatile Scanning Capabilities: VFO Scan, Memory Scan, Programmable memory scan (PMS), Memory bank scan, and Dual receive
- WX Channels with "Severe Weather" Alert
(only available in NOAA weather service areas)
- VOX Operation with Optional VOX Earpiece Microphone (SSM-512B)
- 3.5-Hour Rapid Charger (SBH-22) Included
- PC Programmable with Optional Programming Cable (SCU-35)
- Transceiver to Transceiver Cloning with Optional Cloning Cable (SCU-36)
- FM Broadcast Receiver Equipped
- ARTS (Automatic Range Transponder System) function
- DTMF Operation • CTCSS • DCS Operation
- Busy Channel Lock Out (BCLO)
- Battery Saver function • Automatic Power Off (APO)
- Transmitter Time Out Timer (TOT)



QRK (Quick Recall Key)

Battery Operating Time (Approximate)**

Band	SBR-26L
144 MHz	15 hours
430 MHz*2	4 hours
FM Broadcast	2 hours

Note: * TX: F, RX: E, Standby 90 Duty Cycle based on 5W TX Power
* Only FT-4X

	OPTIONS								
FT-65/FT-25	●	●	●	●	●	●	●	●	●
FT-4X/FT-4V	●	●	●	●	●	●	●	●	●

* Depending on the transceiver version



Ultra-rugged, Submersible Dual Band Transceiver

144/430 MHz (220MHz) DUAL BAND 5W
FM TRANSCEIVER (220MHz FM: 1.5W (US version Only))

VX-6

VX-6R:US, Asia and Australia
VX-6E:Europe

7.4V 250mAh* Lithium-ion battery FNB-80L and battery charger
PA-48/SAD-16 (Depending on the transceiver version) included
*Measured Battery capacity based on IEC C-rate 200mA/5°C

Outdoor ready Features including Waterproof Rating

**Compact Polycarbonate Resin and Aluminum
Die-Cast Case with Solid Waterproofing Seal**

The VX-6 is rated to IPX7 specifications for submersion
(up to 30 minutes at a depth of up to three feet)

One-Touch Stored Frequencies Access

The VX-6 adopts a one-touch DMR (Direct Memory
Recall) system that operates just like your car
stereo memory

Wide Band Receiver Coverage

In addition to full operation on the 144 and 430MHz
Amateur bands, the VX-6 provides a wide range of
monitoring excitement, thanks to the incredible receiver
frequency coverage of 504kHz to 998.99MHz

Additional Features

- Emergency Automatic ID system (EAI)
- Channel counter function
- Smart Search
- RF Squelch
- Automatic Repeater Shift (ARS)

Power Output/Power Source Chart (Approximately)

	HIGH	LOW1	LOW2	LOW3
FNB-80L or EXT DC (2.0V NiMH/USB version)	5W (1.5W)	2.5W (0.8W)	0.5W (0.5W)	1.05W (0.4W)
FBA-23 2 AA Alkaline	0.3W		0.05W	

Battery Operating Time (Approximately)

Band	FNB-80L	Battery Case
144 MHz	8 hours	8 hours
430 MHz	8 hours	8 hours
Receiving Only	15 hours	15 hours

Note: Operating time may vary depending on operating conditions and are
based on a duty cycle of 8 seconds of transmission and 4 seconds of
reception at 50% audio level and 48 seconds of standby operation



Reliable Dual Band Handheld Transceiver

144/430MHz DUAL BAND 5W
FM TRANSCEIVER

FT-60R

US, Asia and Australia

(7.2V 1400mAh Ni-MH battery FNB-83, Desktop Rapid Charger
SBH-13(US) and Battery Charger PA-48/SAD-16 (Depending on the
transceiver version, included)

- **Wide Band Receiver Coverage**
(108-520MHz / 700-999.99MHz)
- **5 Watts of stable RF Power**
- **Emergency Automatic ID System**
- **One-Touch NOAA WX band Access (US version)**
- **Over 1100 Memory Channels**
- **Single-band and Memory-only
Operating Modes**
- **Smart Search Automatic
Memory Loading**

Battery Operating Time (Approximately)

Band	Battery	FNB-83	FBA-25A
144 MHz		8 hours*	
430 MHz		8 hours*	
Receiving		15 hours	

Note: * Duty Cycle based on 5W PC
Power X 6000 PA Audio, and 48 sec. Rx squelched.
*2 Using FNB-83, Audio Volume set to 67%



Commercial Grade Field Radio Submersible Construction

144 MHz SINGLE BAND 5W
FM TRANSCEIVER

FT-270R

US, and Australia

(7.2V 400mAh Ni-MH battery FNB-83, Desktop Rapid
Charger SBH-13(US) and battery charger PA-48/SAD-16
(Depending on the transceiver version, included)

- **Commercial Grade Performance**
- **Submersible Construction IPX7 (3ft/1m for 30 min)**
- **Large Backlit LCD Display for easy Operation**
- **5Watts of Stable RF Power**
- **800mW Loud Audio**
- **200 Memory Channels**
- **Hands free VOX Operation with Optional SSM-64A**

OPTIONS												
Compact Speaker Microphone MH-34A48	Compact Speaker Microphone MH-57A48	Wired Stereo Microphone MH-73A48	Emergency Microphone SSM-55A	Voice-activated VOX icon SSM-57A	Lightweight VOX icon SSM-63A	Lightweight VOX icon SSM-64A	DTMF Paging Unit FTD-7	Barometric Pressure Sensor SU-1	Weather Station FNB-80L	NiMH Battery Pack FNB-83	2x AA Cell Battery Tray FBA-23	6x AA Cell Battery Tray FBA-25A
VX-6												
FT-60R												
FT-270R												
Rapid Charger VAC-370	Desktop Rapid Charger SBH-13	Rapid Charger CD-15A	Charger Adaptor CD-26	A-48/SAD-16 SAD-16	Voice-activated VOX icon SDD-13	EC cable PLG and W-100	Lining cable E-DC-6	Microphone Adaptor CT-27	Microphone Adaptor CT-44	Adapter CN-3	Soft Handset CSG-91	
VX-6												
FT-60R												
FT-270R												

* Depending on the transceiver version



Ruggedly-Built, High quality 29/50/144/430 MHz Quad Band FM Transceiver

29/50/144/430MHz 50W/35W (430MHz)
FM QJAD BAND TRANSCEIVER

FT-8900R

US, Asia, Australia and Europe

(DTMF Microphone MH-48A6JA, Mounting Bracket
Separation Kit YSK-8900 and DC Power Cable included)

Independent Two Channel Dual Receive and Full Duplex Operation

Operating as two radios in one, the FT-8900R may be configured in a number of ways. For example, it can be set up on the "left" side for operation on 29, 50, 144, or 430 MHz operation, while setting the "right" side to 430MHz. Or set up the left side on 29/50/144/430 MHz and the right side on 144MHz. The FT-8900R may also be configured for 144, 144 MHz or 430-430 MHz dual receive operation—so you never miss out on the action! The left and right sides have their own volume and Squelch controls, as well as separate S meters, so operating preferences are never compromised.



Quad Band Operation

The FT-8900R combines the "traditional" 144, 430MHz local-communications concept with the exciting capability of Sporadic-E or F2 DX on the 29MHz and 50MHz bands for nationwide or worldwide FM communications from your car. The first Amateur Radio FM mobile transceiver providing this capability, the FT-8900R will make you wonder how you ever got by without this two-band transceiver until now.

High Power Output

The FT-8900R puts out a full 50 Watts of RF power on the 29/50, 144MHz bands and 35 Watts on the 430MHz band. To ensure thermal stability during long transmissions, a thermal sensor monitors heat sink temperature, engaging the rear panel cooling fan when needed.



MODE	MODE	MODE	MODE
50W/35W/430MHz	2.5W	10W	5W

Over 800 Memory Channels

The FT-8900R provides a wide variety of memory resources, including 799 "regular" memories, six "Home" channels for favorite frequencies, five pairs of band-edge memories, and six "Hyper Memory" memories which store complete transceiver operating status for maximum operating efficiency and convenience.

One-Touch Band Pattern "HYPER MEMORY" Feature

To save valuable time while operating a transceiver with the versatility of the FT-8900R, the "Hyper Memory" feature allows the storage of a complete set of configuration data for the two operating bands. Besides the usual storage of frequency and tone data, Hyper Memory will store such setup parameters as Automatic Repeater Shift status, Packet parameters, Scanning mode and VFO tracking, avoiding the need to change each of these functions manually on a regular basis.



Built-in Duplexer

Utilizing a single antenna jack, the FT-8900R's leading edge design includes a high-performance duplexing system, with extensive filtering to allow cross-band full duplex operation.

Cross-Band Repeat Capability

For emergency work, or to extend the range of a hand-held unit, the FT-8900R includes Cross-Band Repeat capability.

Additional Features

- Convenient Remote-Head Mounting Capability (YSK-8900 Supplied Accessory)
- 50-Tone CTCSS/104-Tone DCS (Digital Code Squelch) Tone Systems
- User-Programmable Microphone Keys
- Easy Setup for FM Satellite Operation
- 1200/9600bps Packet Capability. Connect your TNC using the optional CT-39A Packet Cable.
- RF Squelch Opens the squelch at a user-defined S-Meter level
- Battery Voltage Meter
- DTMF Auto-Dial Memory: 16 Memories of up to 16 tones each
- Lock Feature for Front Panel Keys & PTT Switch. Prevents accidental transmission or frequency change.

OPTIONAL ACCESSORIES										
Hand Microphone MH-42C6J	DTMF Microphone MH-48A6JA	High-Power External Speaker MLS-100	Quick Release Mounting Bracket MMB-60	Separation Kit YSK-8900	Mic Extension Kit MEK-2	Packet Interface Cable CT-39A	AC Power Supply 15.0 A FP-1023T	AC Power Supply 25.0 A FP-1030A1	Desktop Cooling Fan GMB-201	AC Adapter for SMF-2 SAD-11T

US and Asian versions only. *2 US version only. *3 Depending on the transceiver version.



Heavy-Duty FM Dual band Mobile with Wide-Receiver Coverage

144/430MHz 50W/45W (430MHz)
FM DUAL BAND TRANSCEIVER

FT-7900

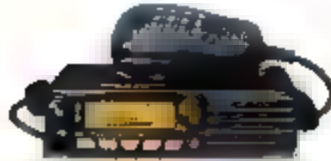
FT-7900R-US, Asia and Australia
FT-7900E-Europe

(DTMF Microphone MH-48A6JA, Mounting Bracket
Separation Kit YSK-7800 and DC Power Cable included)

- Large Backlit LCD Display for easy operation
- Stable RF Power (50 Watts VHF / 45 Watts UHF)
- Reliable performance in harsh environments
- 1000 memory channels with 20 Memory Groups
- Remote Front Panel Design
(Separation Kit YSK-7800 : Supplied Accessory)

Advanced Features

- One-Touch Hyper Memories Feature
- 4 Power output levels: 50/45W/20W/10W/5W
- Wide RX Frequency Coverage: 10B: 520MHz, 700-999/990MHz (Cellular Blocked)
- 50-Tone CTCSS/104-Tone DCS Tone System
- 16 DTMF memories
- Versatile Scanning Capability
- Smart Search Operation
- 1200 or 9600bps Packet Operation
- ARTS (Auto-Range Transponder System)
- Radio to Radio Cloning



Genuine 65W High Power 144MHz FM Mobile

144MHz 65W
FM SINGLE BAND TRANSCEIVER

FTM-3100

FTM-3100R-US, Asia and Australia
FTM-3100E-Europe

(DTMF Microphone MH-48A6JA, USB Cable,
Mounting Bracket and DC Power Cable included)

- 65W Stable Output Power with FACC
- Loud Audio output with 3W front speaker
- Expanded receiver coverage: 136-174MHz
- 220 Memory channels with
8 alpha-numeric characters
- User-Programmable Microphone Keys (4 keys)



FACC: Funnel Air-Convction Conductor

Advanced Features

- Memory Only Mode
- 50-Tone CTCSS/104-Tone DCS Tone System
- Versatile Scanning Capability
- TX/RX Split frequency memory
- RF squelch (only passes signals exceeding the programmed squelch level)
- DTMF Auto dialer (10 channel) Operation
- Large LED Mode indicator for easy operation



The King of Mobile, 80W High Power Output

144MHz 80W
FM SINGLE BAND TRANSCEIVER

FT-2980

FTM-2980R-US, Asia and Australia
FTM-2980E-Europe

(DTMF Microphone MH-48A6JA, Mounting Bracket
and DC Power Cable included)

- Massive Heatsink guarantees 80 Watts of RF Power
with No Cooling Fan Needed
(Four selectable power output levels are provided: 80/30/10/5 Watts)
- Loud 3 Watts of Audio Output for noisy environments
- Expanded receiver coverage: 136-174MHz
- 200 Memory Channels for serious users

Advanced Features

- CTCSS and DCS Encode/Decode Built in
- Versatile Scanning Capability
- Dual Receive
- WX Channels with "Severe Weather" Alert (US version)
- Smart Search Operation
- DTMF Direct Access Microphone Included
- Alpha-Numeric Channel Display
- RF Squelch
- Interactive Programming Menu

	Hand Microphone MH-4200J	DTMF Microphone MH-48A6JA	High-Power External Speaker MLS-100	Quick-Release Mobile Mounting Bracket MMB-60	Separation Kit YSK-7800	Mo. Extension Kit MEK-2	Packet Interface Cable CT-39A	AC Power Supply (23.4V) FP-1023 ¹⁾	AC Power Supply (25.4V) FP-1030A ²⁾	Desktop Cooling Fan SMB-201	AC Adapter for SVH-201 ³⁾ SAD-11 ³⁾
FT-7900	●	●	●	●	●	●	●	●	●	●	●
FTM-3100	●	●	●					●	●		
FT-2980	●	●	●					●	●		

¹⁾ US and Asian versions only ²⁾ US version only ³⁾ Depending on the transceiver

Handheld Transceivers

PROGRAMMING KIT									
ADMS	Windows™ PC Programming Kit	ADMS-1	ADMS-10	ADMS-VHS	Marine/Polymers	ADMS-12	ADMS-270		
SOFT CASE & BELT CLIP									
CSG-3HC	Soft Vinyl Case	SHC-V4	SHC	CSG-3					
BH-13	Belt Clip								
CLIP-170	Swivel Belt Clip								
MICROPHONE/HEADSET									
MH-34B4B	Compact Speaker Microphone								
SSM-57A	Compact Lapel Mic with Carbons								
MH-57A4B	Compact Speaker Microphone								
MH-73A4B	Waterproof Speaker Microphone								
SSM-16B	Speaker Microphone								
MH-85A11U	Speaker Microphone with Snapshot extender								
SSM-64A	Lightweight VOM (Voice-Operated) Headset								
SSM-83A	Lightweight VOM (Voice-Operated) Headset								
SSM-55A	Earpiece Microphone								
SSM-612B	VOX Earpiece Microphone								
CABLES & ADAPTERS									
E-DC-6	DC Cable (Plug and Wsz Only)								
SCD-13	DC Cable with Cigarette-Lighter Plug								
CA-3	Adapter for use with BML Controller								
CT-27	Cleaning Cable								
CT-44	Microphone Adapter								
CT-37	Microphone Adapter								
CT-38B	Cleaning Cable								
CT-359	PC Connection Cable (Data)								
CT-370	Data Cable								
CT-376	Data Cable (5 ft)								
SCU-19	PL Connection Cable (USB)								
SCU-95	Programming Cable								
SCU-96	Cleaning Cable								
BATTERY PACK & BATTERY TRAY									
Battery TRAY	Alkaline Cells Battery Tray	BA-1911A4		BA-212A4U		BA-253A4U	BA-253A4U4		
FNB-83	Ni-MH Battery Pack (7.2 V, 1400 mAh)								
FNB-80L	Lithium-Ion Battery Pack (7.4 V, 1250 mAh)								
FNB-40TL	Lithium-Ion Battery Pack (7.4 V, 1100 mAh)								
BBN-14L	Lithium-Ion Battery Pack (7.2 V, 2200 mAh)								
BBN-24L	Lithium-Ion Battery Pack (7.4 V, 1400 mAh)								
BBN-25L	Lithium-Ion Battery Pack (7.4 V, 1950 mAh)								
BBN-26L	Lithium-Ion Battery Pack (7.4 V, 2500 mAh)								
BBN-26L4	Lithium-Ion Battery Pack (7.4V, 2750mAh)								
BATTERY CHARGERS									
CD-15A	Rapid Charger (2.5 hours)								
CD-26	Charger Cradle								
CD-41	Rapid Charger								
BBH-13	Desktop Rapid Charger (4 hours) Requires PA-48								
BBH-22	Rapid Charger								
BBH-28	Rapid Charger								
YAC-370 ²	Rapid Charger (1.5 hours)								
PA-48 ¹	AL Adapter								
SAD-16 ¹	AL Adapter								
SAD-17 ¹	AL Adapter								
SAD-18 ¹	AL Adapter								
SAD-20 ¹	AL Adapter								
OTHERS									
SL-1	Barometric Pressure Sensor								
FTD-7	DTMF Paging Unit								

¹ Included Battery capacity based on IEC DIRECTIVE 2006/56/EE

² depending on the transceiver version

Mobile Transceivers

MICROPHONES/SPEAKER				
MH-42C6J	Hand Microphone			
MH-48A4A	DTMF Microphone			
MH-65A19U	Microphone with snapshot camera			
MLS-100	High-Power External Speaker			
MLS-100-M10	High-Power External Speaker			
BRACKET				
MMB-50	Quick Release Mobile Mounting Bracket			
MMB-94	Vacuum Cup Mount Bracket for Controller Front panel			
CABLES				
YSK-8900	Separation Kit			
YSK-7600	Separation Kit			
MEK-2	ME extension kit			
CT-59A	Packaging/Printer Cable			
CT-162	Separation Cable 2011 (Mod)			
CT-163	Data Cable (MCN10 pin to MCN16 pin + Double)			
CT-164	Data Cable (MCN10 pin to MCN16 pin)			
CT-165	Data Cable (MCN10 pin to Double)			
CT-166	Cleaning Cable			
CT-167	Data Cable (MCN10 pin to Open)			
SCU-20	PC Connection Cable			
SCU-21	Microphone extension Cable for MH-34A11U			
PROGRAMMING KIT				
ADMS	Windows™ PC Programming Kit	ADMS-7	ADMS-9	
OTHERS				
FP-1030A ¹	AC Power Supply (25 A)			
FP-1023 ²	AC Power Supply (23 A)			
SMB-201	Desktop Cooling Fan			
SAD-11 ³	AC Adapter for SMB-201			
BU-2	Bluetooth® Adapter unit			
FVS-2	Voice Guide Unit			

¹ P and Asian version only ² US version only

³ depending on the transceiver version

Handheld Transceivers

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<http://www.yaesu.com>

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YAESU
The radio

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YAESU UK <http://www.yaesu.co.uk>

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About this brochure: We have made this brochure as comprehensive and factual as possible. We reserve the right, however, to make changes at any time in equipment, optional accessories, specifications, model numbers, and availability. Precise frequency range may be different in some countries. Some accessories shown herein may not be available in some countries. Some information may have been updated since the time of printing; please check with your Authorized Yaesu Dealer for complete details.

2018.0515HN(U/EXP/EU) 89200836 Printed in Japan